

Latan 13 S/15

Acetal (POM) Copolymer

LATI S.p.A.

Message:

Compound based on Polyoximethylene (POM).
Glass beads.
Medium viscosity. Good dimensional stability.

General Information			
Filler / Reinforcement	Glass Bead,15% Filler by Weight		
Features	Good Dimensional Stability		
	Medium Viscosity		
Physical	Nominal Value	Unit	Test Method
Density	1.48	g/cm ³	ISO 1183
Molding Shrinkage ¹			ISO 294-4
Across Flow : 2.00 mm	2.0 to 2.2	%	
Flow : 2.00 mm	2.0 to 2.3	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			ISO 527-2/1
23°C	3000	MPa	
60°C	2000	MPa	
90°C	1200	MPa	
Tensile Stress			ISO 527-2/5
Yield, 23°C	50.0	MPa	
Yield, 60°C	35.0	MPa	
Yield, 90°C	25.0	MPa	
Break, 23°C	45.0	MPa	
Break, 60°C	30.0	MPa	
Tensile Strain			ISO 527-2/5
Yield, 23°C	8.0	%	
Yield, 60°C	8.0	%	
Yield, 90°C	9.0	%	
Break, 23°C	15	%	
Break, 60°C	75	%	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	5.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	20	kJ/m ²	ISO 179/1eU
Notched Izod Impact (23°C, 3.20 mm)	35	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			

0.45 MPa, Unannealed	150	°C	ISO 75-2/B
1.8 MPa, Unannealed	90.0	°C	ISO 75-2/A
Continuous Use Temperature ²	80.0	°C	
Vicat Softening Temperature	150	°C	ISO 306/B50
CLTE - Flow (30 to 100°C)	7.0E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index ³ (Solution A)	600	V	IEC 60112
Injection	Nominal Value	Unit	
Drying Temperature	80.0 to 90.0	°C	
Drying Time	3.0	hr	
Processing (Melt) Temp	180 to 210	°C	
Mold Temperature	80.0 to 100	°C	
Injection Rate	Moderate		
NOTE			
1.	at 60 Mpa of cavity pressure		
2.	20,000 hr		
3.	Without Surfactant		

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